

CLAIMS

What is claimed is:

1. An assisted generating system for layout data conversions to convert layout data in an output file from a circuit design program (such as ConceptHDL) into a converted file to help actual layout designs of a circuit layout program (such as Allegro), which system comprises:

a property database, which stores property definitions of a plurality of fields;

a rule database, which stores rule definitions of a plurality of fields;

10 a conversion module, which analyzes contents of the output file to generate a plurality of fields, extracts the corresponding rule definitions for performing settings, and adjusts property definitions of all of the fields to produce a converted file; and

a user interface (UI), which displays all of the fields along with the corresponding property definitions and rule definitions.

- 15 2. The system of claim 1, wherein the conversion module further highlights the adjusted fields.

3. The system of claim 1, wherein the UI further provide editing commands for the user to edit the displayed fields, property definitions, and rule definitions.

- 20 4. The system of claim 1, wherein the UI uses an interface compatible with a spread sheet program.

5. An assisted generating method for layout data conversions to convert layout data in an output file from a circuit design program (such as ConceptHDL) into a converted file to help actual layout designs of a circuit layout program (such as Allegro), which method

comprises the steps of:

obtaining the output file for analysis;

executing a plurality of field conversions of the output file;

adjusting properties, setting rules, and displaying the results in a user interface (UI); and

outputting a converted file for subsequent layout processes.

6. The method of claim 5, wherein the UI uses an interface compatible with a spread sheet program.

7. The method of claim 5, wherein the step of adjusting properties, setting rules, and displaying the results in a UI further comprises the steps of:

reading in the fields and extracting the corresponding rules for performing settings;

checking whether the property of each of the fields is abnormal; and

displaying all of the fields on the UI after they are checked.

8. The method of claim 8, wherein the step of checking whether the property of each of the fields is abnormal comprises the steps of:

extracting correct properties to adjust the fields; and

highlighting the corrected fields.